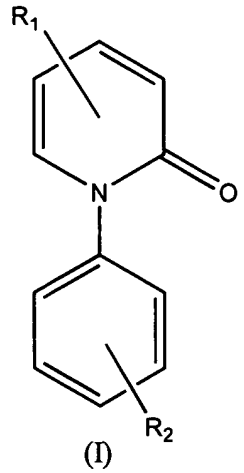
Claims

1. A compound of formula I or the pharmaceutically acceptable salts thereof:



(I)

wherein,

R_1 is methyl, ethyl or trifluoromethyl at position 3, 4, 5 or 6;

R_2 is hydroxyl, sulfydryl, methylthio group, or ethylthio group at position 2, 3 or 4.

2. The compound according to claim 1, wherein R_1 is methyl, and R_2 is hydroxyl

3. The compound according to claim 1, wherein R_1 is methyl at position 5, and R_2 is hydroxyl at position 4.

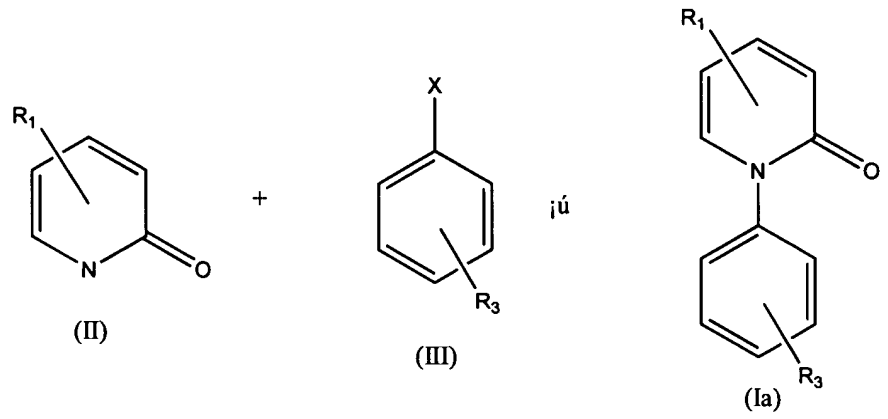
4. A pharmaceutical composition comprising a pharmaceutically acceptable carrier and a safe and effective amount of the compound of formula I or the pharmaceutically acceptable salts thereof.

5. The pharmaceutical composition according to claim 3 comprising 0.01-99% of the compound of formula I or the pharmaceutically acceptable salts thereof, on the basis of the total weight.

6. A pharmaceutical composition according to claim 3, wherein the dosage form of the pharmaceutical composition is tablet, capsule, ampule or pill.

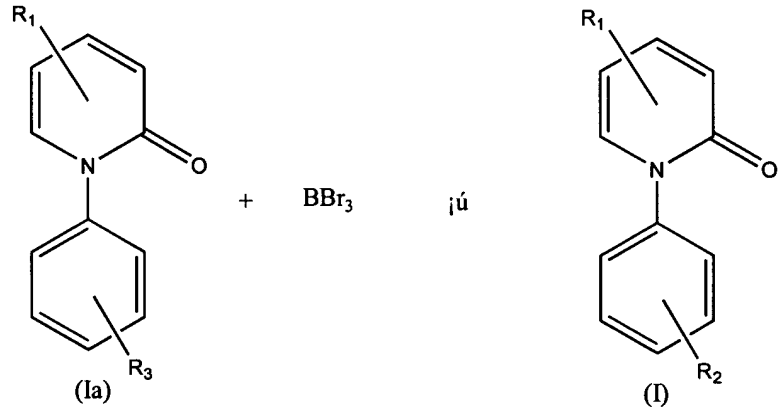
7. A method for producing the compound of formula I, comprising the steps of:

(a) in the presence of copper powder and anhydrous alkaline earth metal carbonate, reacting the compound of formula II and the compound of formula III at 160-200°C, thereby producing the compound of formula Ia;



wherein R_1 is methyl, ethyl or trifluoromethyl at position 3, 4, 5 or 6, R_3 is $-OCH_3$, $-SCH_3$, $-OC_2H_5$ or $-SC_2H_5$ at position 2, 3 or 4, and X is Cl, Br or I;

(b) reacting the compound of formula Ia and BBr_3 in an inert solvent at -10°C to 15°C, thereby producing the compound of formula I:



wherein, R_1 and R_3 are defined as above, and R_2 is -OH or -SH.

8. A method for producing a pharmaceutical composition, comprising the steps of mixing the compound of formula I or the pharmaceutically acceptable salts thereof according to claim 1 with a pharmaceutically acceptable carrier to produce a pharmaceutical composition comprising 0.01-99wt% of the compound of formula I, on the basis of the total weight.

9. Use of the compound of formula I or the pharmaceutically acceptable salts thereof according to claim 1 in the manufacture of a medicament for preventing fibrosis.

10. A method for treating fibrosis diseases, comprising administrating a safe and effective amount of the compound of formula I or the pharmaceutically acceptable salts thereof according to claim 1 to a subject in need thereof.